

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 July 2004 (01.07.2004)

PCT

(10) International Publication Number  
**WO 2004/055779 A1**

(51) International Patent Classification<sup>7</sup>: **G10L 13/04**

(21) International Application Number:  
**PCT/EP2003/012879**

(22) International Filing Date:  
14 November 2003 (14.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
02445177.5 16 December 2002 (16.12.2002) EP  
03011580.2 22 May 2003 (22.05.2003) EP  
60/474,025 29 May 2003 (29.05.2003) US

(71) Applicant (for all designated States except US): SONY  
ERICSSON MOBILE COMMUNICATIONS AB  
[SE/SE]; S-221 88 Lund (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KERIMOVSKA,  
Nercivan [SE/SE]; Holmviksgatan 9, S-214 58 Malmö  
(SE). KLINGHULT, Gunnar [SE/SE]; Örnvägen 42,  
S-227 31 Lund (SE). TOMASSON, Anna [SE/SE];  
Vikingavägen 20A, S-224 77 Lund (SE).

(74) Agents: ÅKERMAN, Märten et al.; Albihs Malmö AB,  
P.O. Box 4289, S-203 14 Malmö (SE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, (utility model), CZ, DE (utility model), DE, DK (utility

model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES,  
FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID,  
IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO,  
NZ, OM, PG, PH, PL, PT (utility model), PT, RO, RU, SC,  
SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN,  
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO utility model (GH),  
ARIPO patent (GH), ARIPO utility model (GM), ARIPO  
patent (GM), ARIPO utility model (KE), ARIPO patent  
(KE), ARIPO utility model (LS), ARIPO patent (LS),  
ARIPO utility model (MW), ARIPO patent (MW), ARIPO  
utility model (MZ), ARIPO patent (MZ), ARIPO utility  
model (SD), ARIPO patent (SD), ARIPO utility model  
(SL), ARIPO patent (SL), ARIPO utility model (SZ),  
ARIPO patent (SZ), ARIPO utility model (TZ), ARIPO  
patent (TZ), ARIPO utility model (UG), ARIPO patent  
(UG), ARIPO utility model (ZM), ARIPO patent (ZM),  
ARIPO utility model (ZW), ARIPO patent (ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-  
pean patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI,  
SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

## Declaration under Rule 4.17:

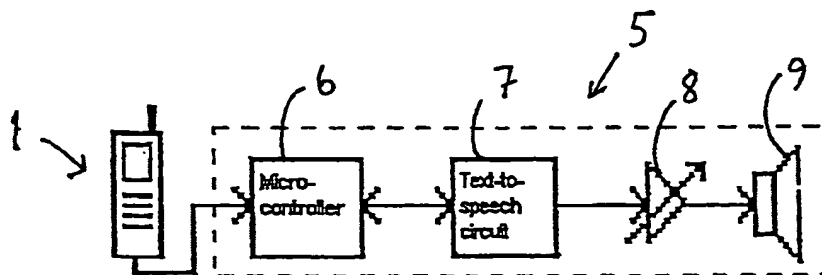
— of inventorship (Rule 4.17(iv)) for US only

## Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: DEVICE FOR GENERATING SPEECH, APPARATUS CONNECTABLE TO OR INCORPORATING SUCH A DE-  
VICE, AND COMPUTER PROGRAM PRODUCT THEREFOR



(57) Abstract: The invention relates to a device for generating speech associated with information shown on a display (2), especially displays on portable devices such as mobile telephones (1). A conversion circuit converts the data shown to audible speech helping the user to operate the apparatus. The invention also relates to an apparatus arranged to cooperate with such a device or incorporating such a device, and a computer program product therefor.